

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P849446

Luminaire Tested: **GLAN-SB6C-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40018 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

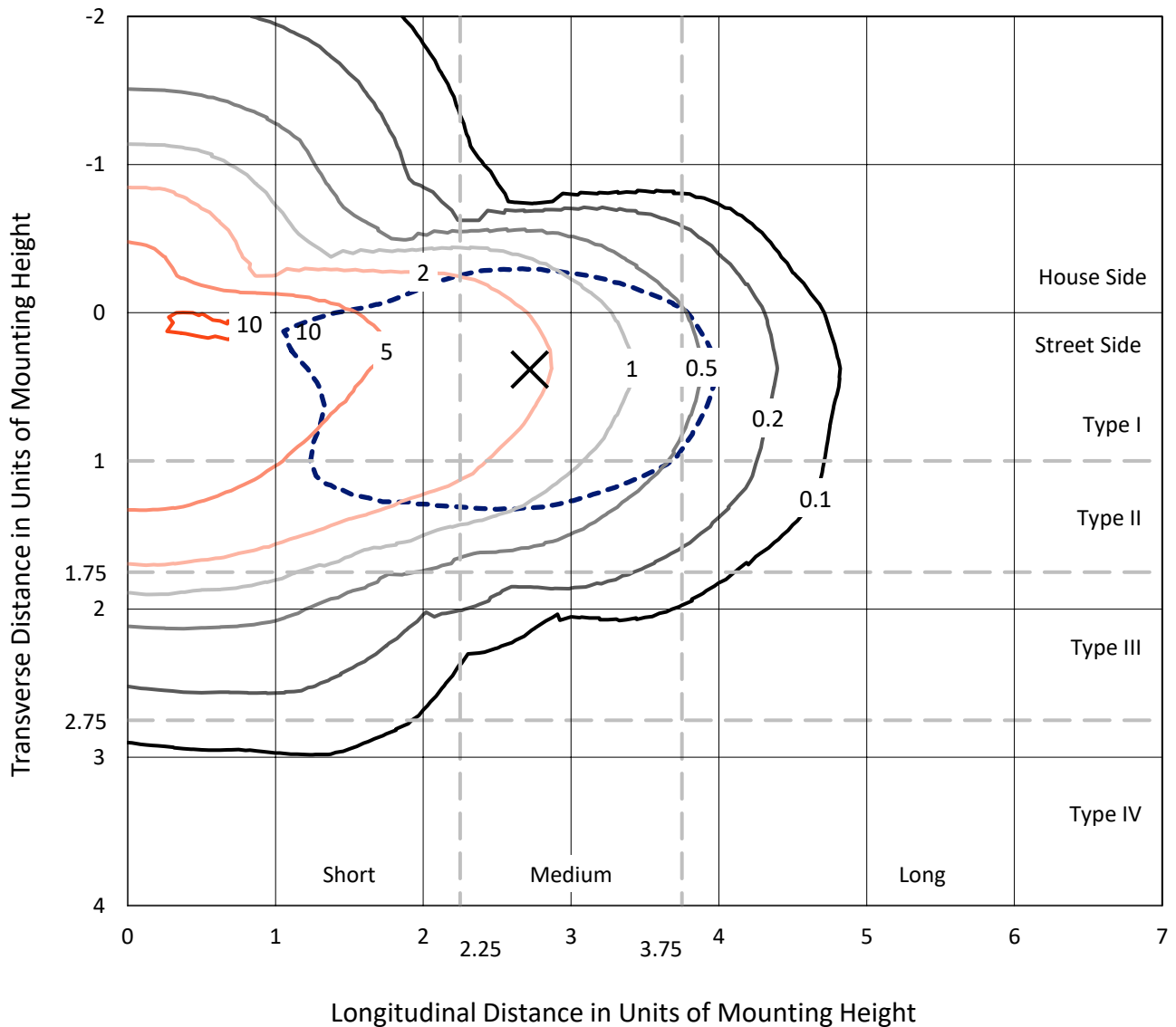
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

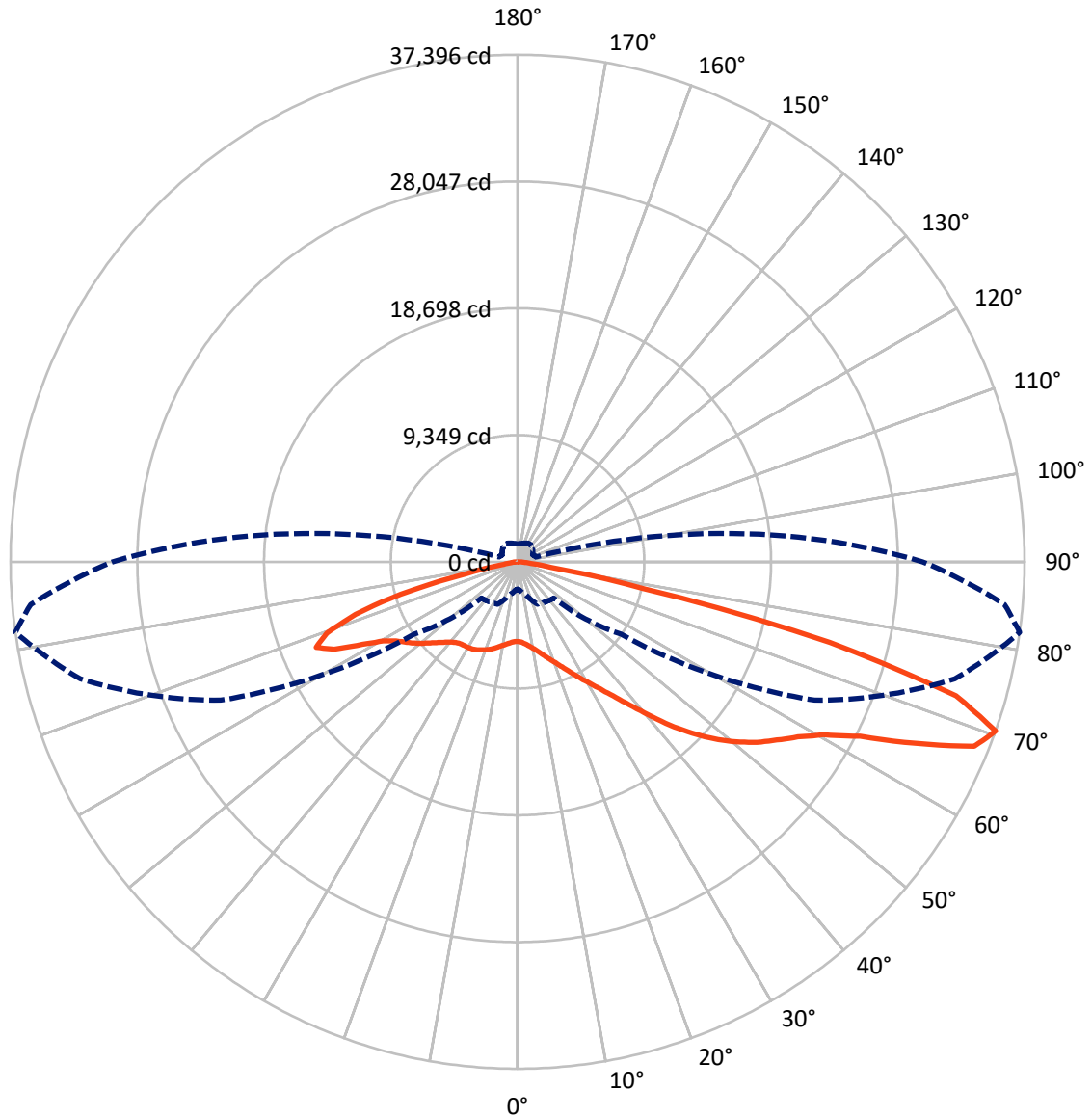
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9865.4 | 0.0 | 9865.4 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 30152.6 | 0.0 | 30152.6 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 40018.0 | 0.0 | 40018.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 554.0 | 1.4 |
| 10°-20° | 1591.6 | 4.0 |
| 20°-30° | 2662.5 | 6.7 |
| 30°-40° | 4159.6 | 10.4 |
| 40°-50° | 6624.6 | 16.6 |
| 50°-60° | 9218.9 | 23.0 |
| 60°-70° | 9643.4 | 24.1 |
| 70°-80° | 5040.2 | 12.6 |
| 80°-90° | 523.4 | 1.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 40018.0 | 100.0 |
| 0°-180° | 40018.0 | 100.0 |

Coefficient of Utilization

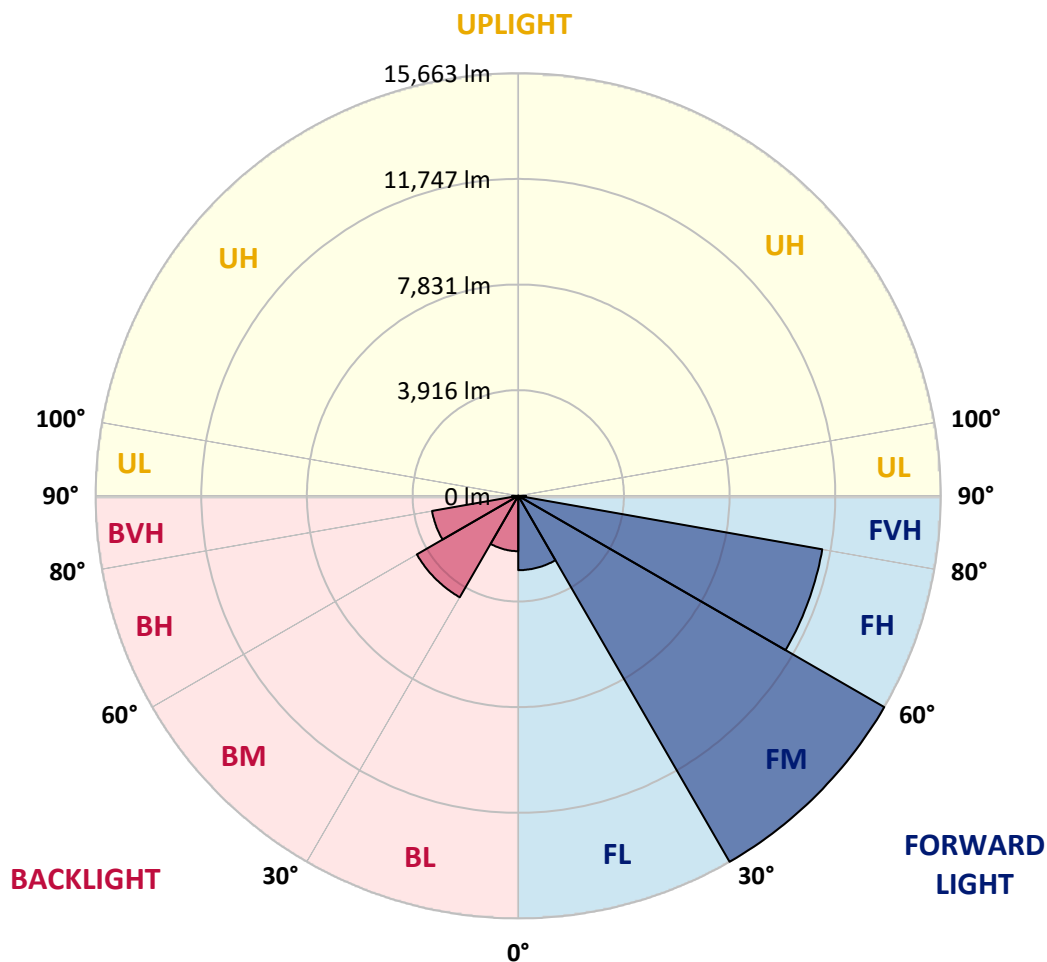


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2755.7 | 6.9 | | | |
| FM (30°-60°) | 15662.6 | 39.1 | | | |
| FH (60°-80°) | 11441.3 | 28.6 | | | G4/12000 |
| FVH (80°-90°) | 293.0 | 0.7 | | | G3/500 |
| BL (0°-30°) | 2052.4 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 4340.4 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 3242.3 | 8.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 230.4 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 |
| 2.5° | 6007.3 | 6041.3 | 6030.6 | 6020.0 | 6020.0 | 6005.2 | 6003.0 | 5981.8 | 5964.8 | 5937.2 |
| 5° | 6083.7 | 6119.8 | 6115.6 | 6124.1 | 6151.7 | 6158.1 | 6164.4 | 6151.7 | 6117.7 | 6083.7 |
| 7.5° | 6015.8 | 6056.1 | 6068.9 | 6119.8 | 6204.8 | 6281.2 | 6338.5 | 6361.9 | 6330.1 | 6281.2 |
| 10° | 5786.4 | 5831.0 | 5875.6 | 5996.7 | 6147.4 | 6327.9 | 6480.8 | 6572.1 | 6565.8 | 6519.0 |
| 12.5° | 5321.4 | 5368.1 | 5463.7 | 5699.4 | 5975.4 | 6294.0 | 6578.5 | 6769.6 | 6835.4 | 6801.5 |
| 15° | 4949.8 | 4990.1 | 5062.3 | 5304.4 | 5663.3 | 6147.4 | 6614.6 | 6986.2 | 7154.0 | 7134.8 |
| 17.5° | 4939.2 | 4956.2 | 5000.8 | 5115.4 | 5391.5 | 5918.1 | 6576.4 | 7198.6 | 7519.2 | 7517.1 |
| 20° | 5126.0 | 5132.4 | 5157.9 | 5181.3 | 5338.4 | 5744.0 | 6478.7 | 7374.8 | 7929.0 | 7929.0 |
| 22.5° | 5385.1 | 5380.9 | 5406.3 | 5385.1 | 5461.6 | 5729.1 | 6417.1 | 7529.8 | 8385.6 | 8419.5 |
| 25° | 5773.7 | 5752.5 | 5746.1 | 5697.3 | 5712.1 | 5867.1 | 6485.1 | 7706.1 | 8927.1 | 8997.1 |
| 27.5° | 6291.8 | 6257.9 | 6234.5 | 6122.0 | 6083.7 | 6151.7 | 6693.2 | 7918.4 | 9530.1 | 9651.2 |
| 30° | 6967.1 | 6905.5 | 6871.5 | 6676.2 | 6538.2 | 6548.8 | 7007.4 | 8200.8 | 10160.8 | 10356.1 |
| 32.5° | 7888.7 | 7793.1 | 7701.8 | 7381.2 | 7128.5 | 7045.7 | 7413.0 | 8591.5 | 10844.5 | 11156.7 |
| 35° | 8920.7 | 8844.2 | 8746.6 | 8251.8 | 7863.2 | 7672.1 | 7960.9 | 9137.3 | 11645.1 | 12139.9 |
| 37.5° | 9914.5 | 9848.6 | 9895.4 | 9228.6 | 8727.4 | 8449.3 | 8678.6 | 9869.9 | 12632.5 | 13363.0 |
| 40° | 10942.2 | 10891.3 | 10897.6 | 10260.6 | 9676.6 | 9364.5 | 9549.2 | 10789.3 | 13764.3 | 14817.6 |
| 42.5° | 12059.2 | 12020.9 | 11893.5 | 11328.7 | 10672.5 | 10381.6 | 10551.5 | 11851.1 | 14978.9 | 16473.9 |
| 45° | 13309.9 | 13286.5 | 13167.6 | 12520.0 | 11768.3 | 11441.2 | 11670.6 | 13023.2 | 16199.9 | 18032.5 |
| 47.5° | 14390.7 | 14409.8 | 14395.0 | 13849.3 | 13069.9 | 12590.0 | 12864.0 | 14246.3 | 17336.0 | 19497.7 |
| 50° | 14911.0 | 15010.8 | 15157.3 | 14987.4 | 14503.3 | 14014.9 | 14068.0 | 15427.0 | 18419.0 | 20871.6 |
| 52.5° | 14639.2 | 14828.2 | 15227.4 | 15499.2 | 15686.1 | 15584.1 | 15441.9 | 16599.1 | 19438.2 | 22111.7 |
| 55° | 13626.3 | 13891.7 | 14554.2 | 15210.4 | 16163.8 | 16904.9 | 17091.8 | 17898.7 | 20432.0 | 23203.1 |
| 57.5° | 11781.0 | 12212.1 | 12806.6 | 14133.8 | 15739.1 | 17544.1 | 19015.6 | 19701.5 | 21485.2 | 24368.9 |
| 60° | 8617.0 | 9194.6 | 9933.6 | 11908.4 | 14252.7 | 17202.2 | 20652.8 | 22470.5 | 22982.3 | 25878.7 |
| 62.5° | 5514.6 | 5871.4 | 6550.9 | 8411.1 | 11105.7 | 15450.3 | 21154.0 | 25931.8 | 25519.8 | 28354.7 |
| 65° | 3775.5 | 4004.9 | 4627.0 | 5671.8 | 7179.4 | 11500.7 | 19811.9 | 28526.7 | 29550.2 | 32278.8 |
| 67.5° | 2743.5 | 2917.6 | 3448.5 | 4363.7 | 4678.0 | 6805.7 | 15373.9 | 28407.7 | 33468.0 | 36321.9 |
| 70° | 2000.3 | 2123.5 | 2569.4 | 3448.5 | 3599.3 | 3786.1 | 9313.5 | 24148.1 | 33383.0 | 37396.4 |
| 72.5° | 1482.2 | 1567.1 | 1866.5 | 2675.6 | 2913.4 | 2556.7 | 4610.0 | 17550.5 | 28685.9 | 33824.7 |
| 75° | 1072.4 | 1136.1 | 1356.9 | 2047.0 | 2331.6 | 1947.2 | 2299.7 | 10256.3 | 20009.4 | 23793.4 |
| 77.5° | 819.7 | 868.5 | 1012.9 | 1499.2 | 1866.5 | 1460.9 | 1427.0 | 4718.3 | 9487.7 | 9534.4 |
| 80° | 658.3 | 690.1 | 768.7 | 1055.4 | 1431.2 | 1093.6 | 930.1 | 1904.7 | 2998.3 | 2537.5 |
| 82.5° | 484.2 | 537.2 | 649.8 | 741.1 | 1023.5 | 753.8 | 567.0 | 961.9 | 1140.3 | 981.0 |
| 85° | 276.1 | 312.1 | 392.8 | 530.9 | 654.0 | 460.8 | 324.9 | 426.8 | 530.9 | 435.3 |
| 87.5° | 97.7 | 127.4 | 138.0 | 208.1 | 284.5 | 191.1 | 125.3 | 123.2 | 174.1 | 129.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5867.1 | 0° | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 | 5867.1 |
| 5930.8 | 2.5° | 5909.6 | 5899.0 | 5856.5 | 5799.2 | 5739.7 | 5682.4 | 5663.3 | 5622.9 | 5595.3 | 5580.5 |
| 6068.9 | 5° | 6028.5 | 5994.5 | 5894.7 | 5767.3 | 5633.6 | 5489.2 | 5387.2 | 5293.8 | 5225.9 | 5162.1 |
| 6257.9 | 7.5° | 6198.4 | 6138.9 | 5966.9 | 5744.0 | 5506.1 | 5266.2 | 5087.8 | 4951.9 | 4860.6 | 4801.2 |
| 6478.7 | 10° | 6395.9 | 6304.6 | 6041.3 | 5707.9 | 5340.5 | 4996.5 | 4786.3 | 4669.5 | 4612.2 | 4580.3 |
| 6731.4 | 12.5° | 6623.1 | 6493.6 | 6117.7 | 5625.1 | 5087.8 | 4695.0 | 4550.6 | 4516.6 | 4518.7 | 4520.9 |
| 7049.9 | 15° | 6903.4 | 6722.9 | 6179.3 | 5444.6 | 4758.7 | 4463.5 | 4438.0 | 4493.3 | 4550.6 | 4578.2 |
| 7410.9 | 17.5° | 7219.8 | 6965.0 | 6189.9 | 5147.3 | 4435.9 | 4314.9 | 4395.6 | 4514.5 | 4601.6 | 4639.8 |
| 7814.4 | 20° | 7559.5 | 7211.3 | 6113.5 | 4726.8 | 4170.5 | 4193.8 | 4338.2 | 4491.1 | 4586.7 | 4635.5 |
| 8275.2 | 22.5° | 7948.1 | 7474.6 | 5930.8 | 4285.2 | 3953.9 | 4062.2 | 4232.1 | 4380.7 | 4480.5 | 4529.4 |
| 8816.6 | 25° | 8391.9 | 7769.8 | 5644.2 | 3913.5 | 3767.0 | 3913.5 | 4083.4 | 4206.6 | 4287.3 | 4331.9 |
| 9421.8 | 27.5° | 8884.6 | 8077.7 | 5262.0 | 3618.4 | 3603.5 | 3760.7 | 3900.8 | 3996.4 | 4038.8 | 4072.8 |
| 10065.2 | 30° | 9379.4 | 8358.0 | 4799.0 | 3395.4 | 3461.3 | 3609.9 | 3709.7 | 3752.2 | 3764.9 | 3771.3 |
| 10783.0 | 32.5° | 9914.5 | 8600.0 | 4312.8 | 3210.7 | 3325.3 | 3463.4 | 3522.8 | 3541.9 | 3482.5 | 3442.1 |
| 11653.6 | 35° | 10562.1 | 8859.1 | 3837.1 | 3064.2 | 3191.6 | 3310.5 | 3329.6 | 3312.6 | 3242.5 | 3159.7 |
| 12745.0 | 37.5° | 11362.7 | 9181.9 | 3457.0 | 2960.1 | 3066.3 | 3144.9 | 3121.5 | 3117.2 | 3123.6 | 3025.9 |
| 14057.4 | 40° | 12343.7 | 9602.3 | 3178.8 | 2879.4 | 2964.4 | 2981.3 | 2915.5 | 2951.6 | 2983.5 | 2834.8 |
| 15497.1 | 42.5° | 13433.1 | 10109.8 | 3002.6 | 2824.2 | 2879.4 | 2839.1 | 2737.1 | 2777.5 | 2773.2 | 2577.9 |
| 16943.1 | 45° | 14543.6 | 10661.9 | 2941.0 | 2783.9 | 2800.9 | 2720.2 | 2607.6 | 2618.2 | 2529.0 | 2352.8 |
| 18329.8 | 47.5° | 15647.8 | 11254.4 | 2979.2 | 2749.9 | 2703.2 | 2611.9 | 2524.8 | 2478.1 | 2346.4 | 2214.8 |
| 19659.1 | 50° | 16730.8 | 11876.6 | 3119.4 | 2681.9 | 2569.4 | 2516.3 | 2452.6 | 2369.8 | 2229.6 | 2117.1 |
| 20916.1 | 52.5° | 17735.2 | 12503.0 | 3276.5 | 2569.4 | 2401.6 | 2433.5 | 2393.1 | 2297.6 | 2159.6 | 2044.9 |
| 22105.3 | 55° | 18686.5 | 13129.4 | 3338.1 | 2414.4 | 2244.5 | 2361.3 | 2337.9 | 2161.7 | 1996.1 | 1902.6 |
| 23349.6 | 57.5° | 19722.8 | 13883.2 | 3270.1 | 2216.9 | 2117.1 | 2278.5 | 2189.3 | 1993.9 | 1898.4 | 1828.3 |
| 24969.8 | 60° | 21158.2 | 15066.0 | 3123.6 | 1972.7 | 1996.1 | 2155.3 | 2002.4 | 1921.7 | 1817.7 | 1739.1 |
| 27399.1 | 62.5° | 23542.9 | 17272.3 | 2887.9 | 1730.6 | 1853.8 | 1972.7 | 1913.2 | 1832.6 | 1726.4 | 1649.9 |
| 31552.6 | 65° | 27067.8 | 20338.6 | 2444.1 | 1541.6 | 1694.5 | 1794.3 | 1817.7 | 1737.0 | 1626.6 | 1545.9 |
| 35192.2 | 67.5° | 30040.7 | 22262.4 | 1849.5 | 1384.5 | 1531.0 | 1649.9 | 1715.8 | 1637.2 | 1520.4 | 1441.8 |
| 36043.7 | 70° | 29877.2 | 20865.2 | 1412.1 | 1229.5 | 1386.6 | 1507.7 | 1592.6 | 1531.0 | 1405.7 | 1331.4 |
| 32739.6 | 72.5° | 26537.0 | 17454.9 | 1142.4 | 1072.4 | 1240.1 | 1359.0 | 1460.9 | 1414.2 | 1286.8 | 1214.6 |
| 23984.6 | 75° | 19495.6 | 12390.4 | 913.1 | 913.1 | 1057.5 | 1204.0 | 1316.5 | 1286.8 | 1170.0 | 1119.1 |
| 10069.5 | 77.5° | 8217.8 | 5198.2 | 715.6 | 758.1 | 879.1 | 1034.1 | 1174.3 | 1184.9 | 1083.0 | 1146.7 |
| 2662.8 | 80° | 2185.0 | 1433.3 | 545.7 | 596.7 | 690.1 | 853.6 | 1021.4 | 1017.1 | 906.7 | 847.3 |
| 989.5 | 82.5° | 832.4 | 564.8 | 388.6 | 420.4 | 499.0 | 654.0 | 809.0 | 834.5 | 724.1 | 626.4 |
| 388.6 | 85° | 320.6 | 242.1 | 240.0 | 252.7 | 290.9 | 433.2 | 611.6 | 632.8 | 545.7 | 462.9 |
| 108.3 | 87.5° | 82.8 | 72.2 | 89.2 | 84.9 | 133.8 | 231.5 | 350.4 | 363.1 | 333.4 | 193.2 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| 180° |
|--------|
| 5867.1 |
| 5597.5 |
| 5187.6 |
| 4813.9 |
| 4588.8 |
| 4525.1 |
| 4576.1 |
| 4648.3 |
| 4648.3 |
| 4542.1 |
| 4344.6 |
| 4085.6 |
| 3786.1 |
| 3454.9 |
| 3164.0 |
| 3032.3 |
| 2839.1 |
| 2575.8 |
| 2359.2 |
| 2214.8 |
| 2108.6 |
| 2047.0 |
| 1894.1 |
| 1821.9 |
| 1734.9 |
| 1649.9 |
| 1550.1 |
| 1444.0 |
| 1337.8 |
| 1214.6 |
| 1104.2 |
| 1040.5 |
| 787.8 |
| 626.4 |
| 477.8 |
| 276.1 |
| 0.0 |

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